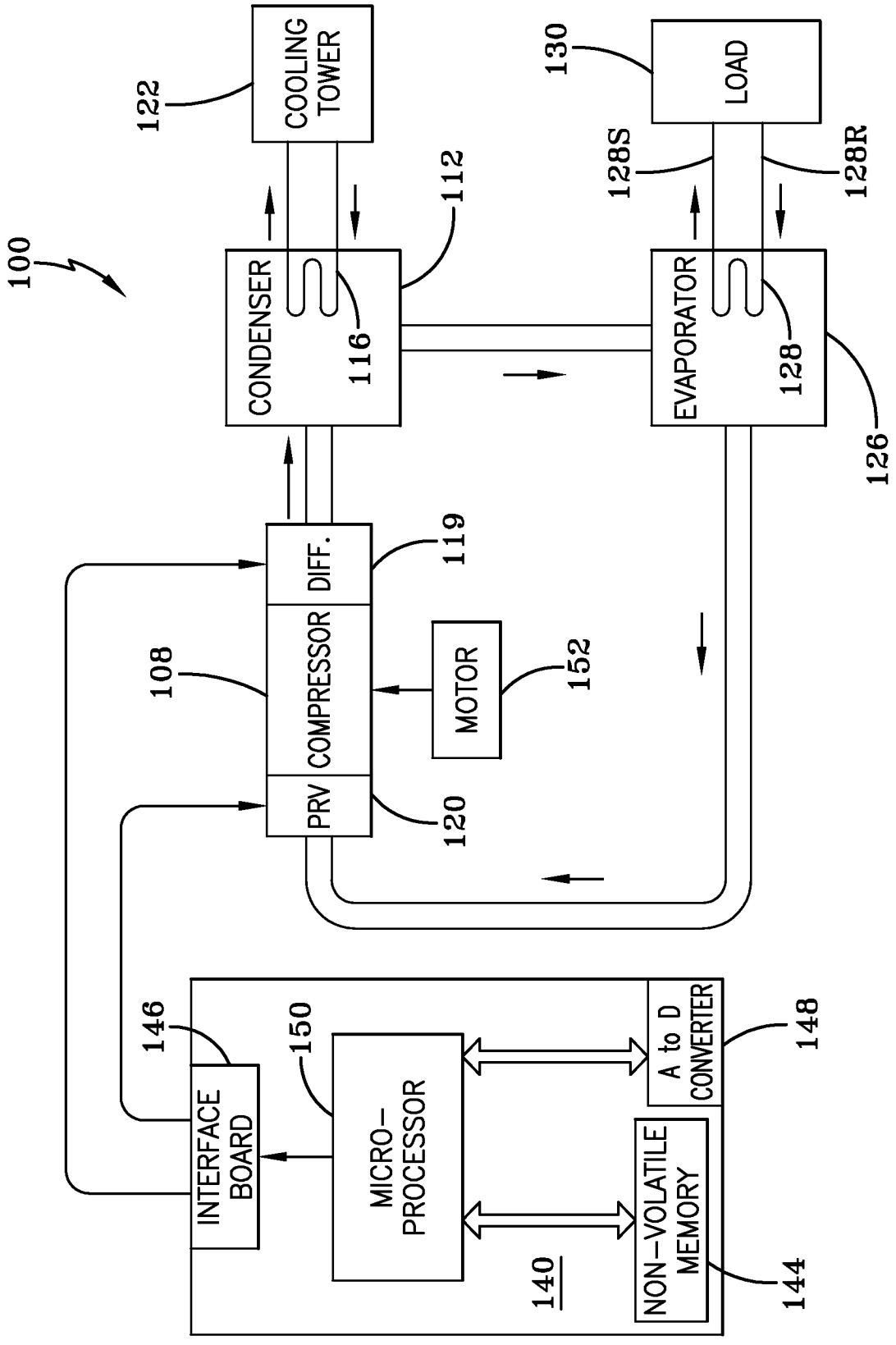
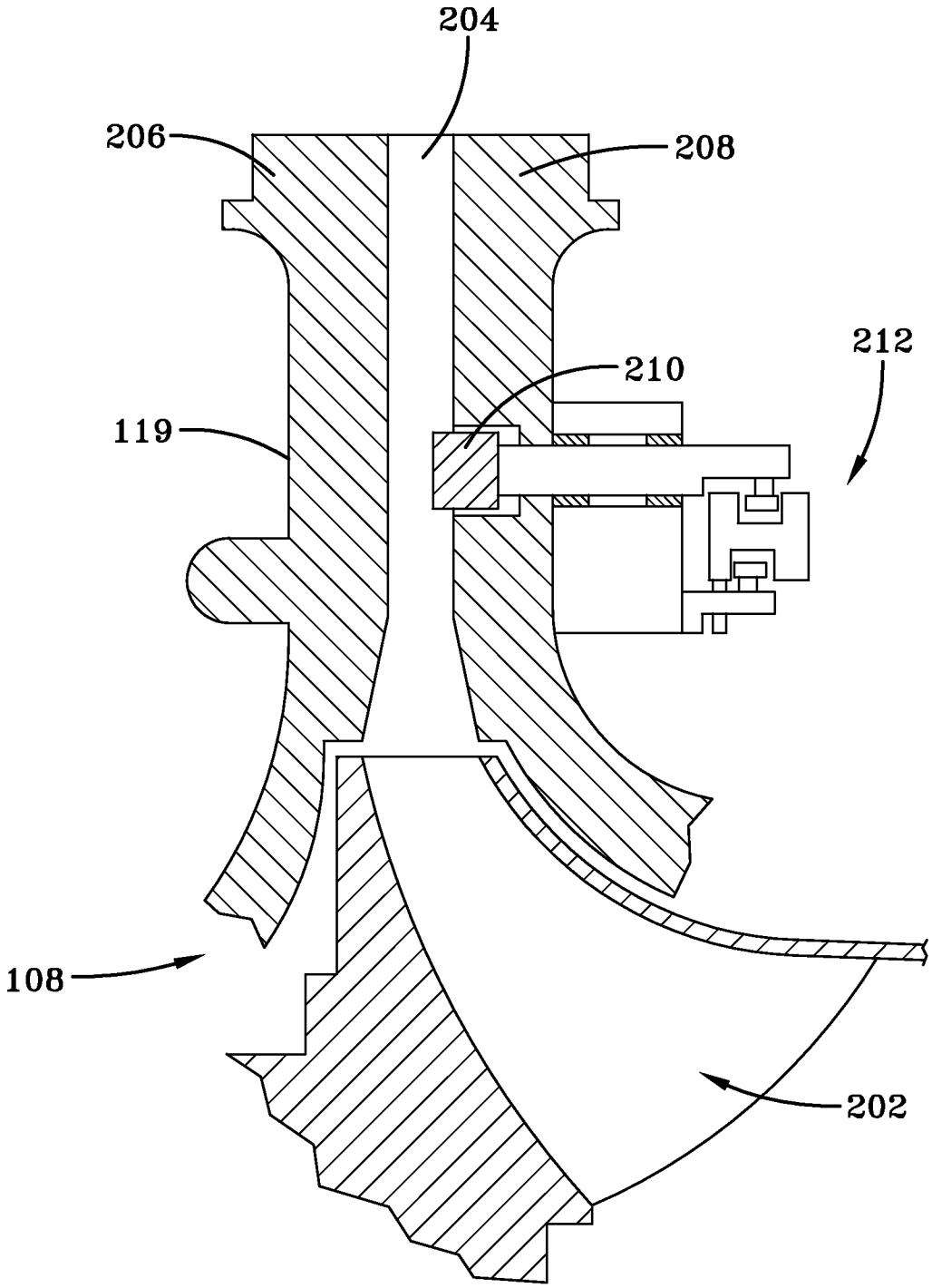
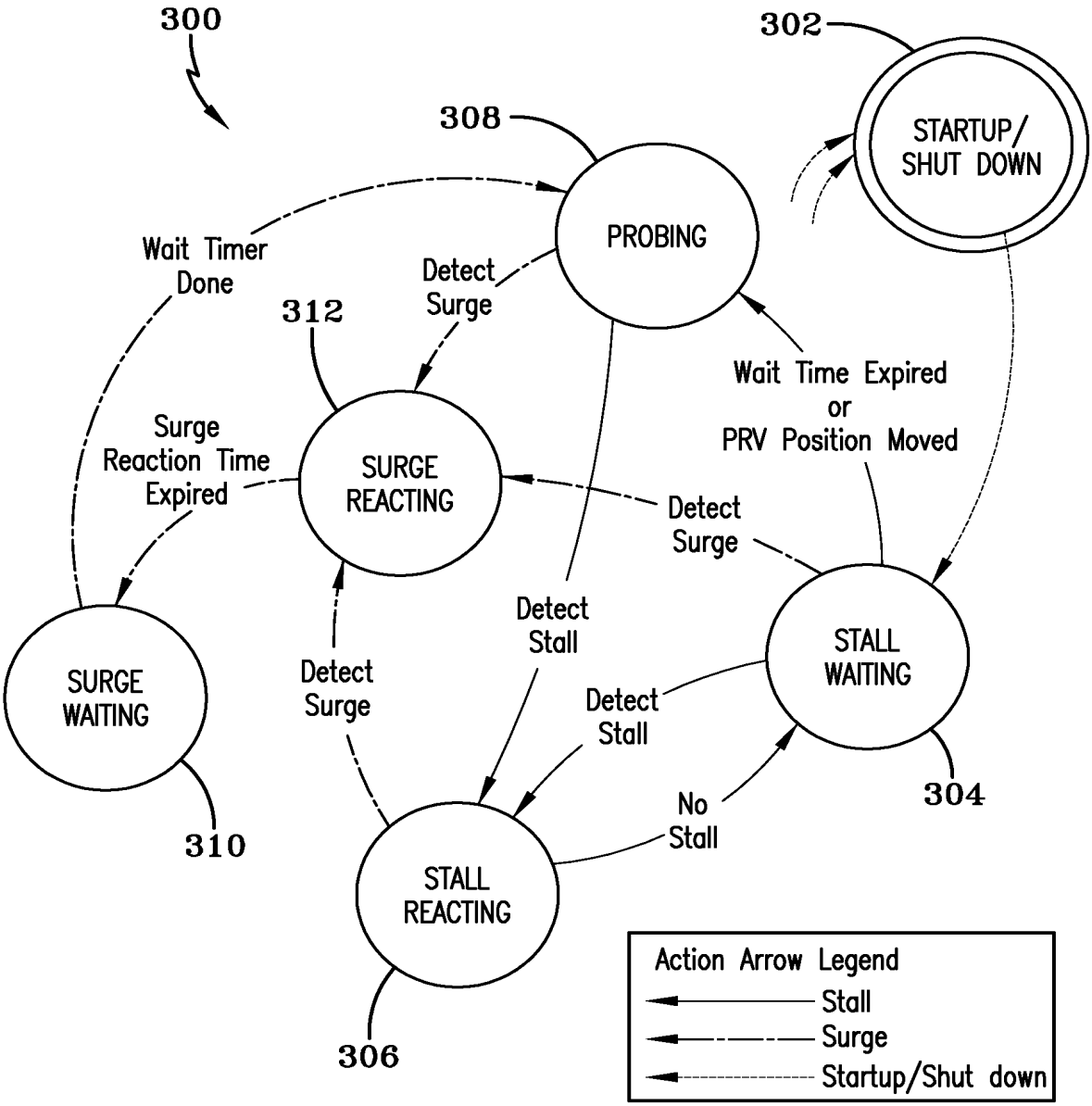

100
122
COOLING TOWER
130
LOAD
128S
128R
112
CONDENSER
116
EVAPORATOR
128
126
DIFF.
119
108
COMPRESSOR
MOTOR
152
PRV
120
146
150
148
INTERFACE BOARD
MICRO-PROCESSOR
A to D CONVERTER
NON-VOLATILE MEMORY
144
140

FIG-1



FIG–2


300
302
308
STARTUP/
SHUT DOWN
PROBING
Wait Timer
Done
Detect
Surge
312
Wait Time Expired
or
PRV Position Moved
Surge
Reaction Time
Expired
SURGE
REACTING
Detect
Surge
Detect
Stall
SURGE
WAITING
Detect
Surge
Detect
Stall
STALL
WAITING
304
No
Stall
310
STALL
REACTING
306
Action Arrow Legend
Stall
Surge
Startup/Shut down

FIG–3

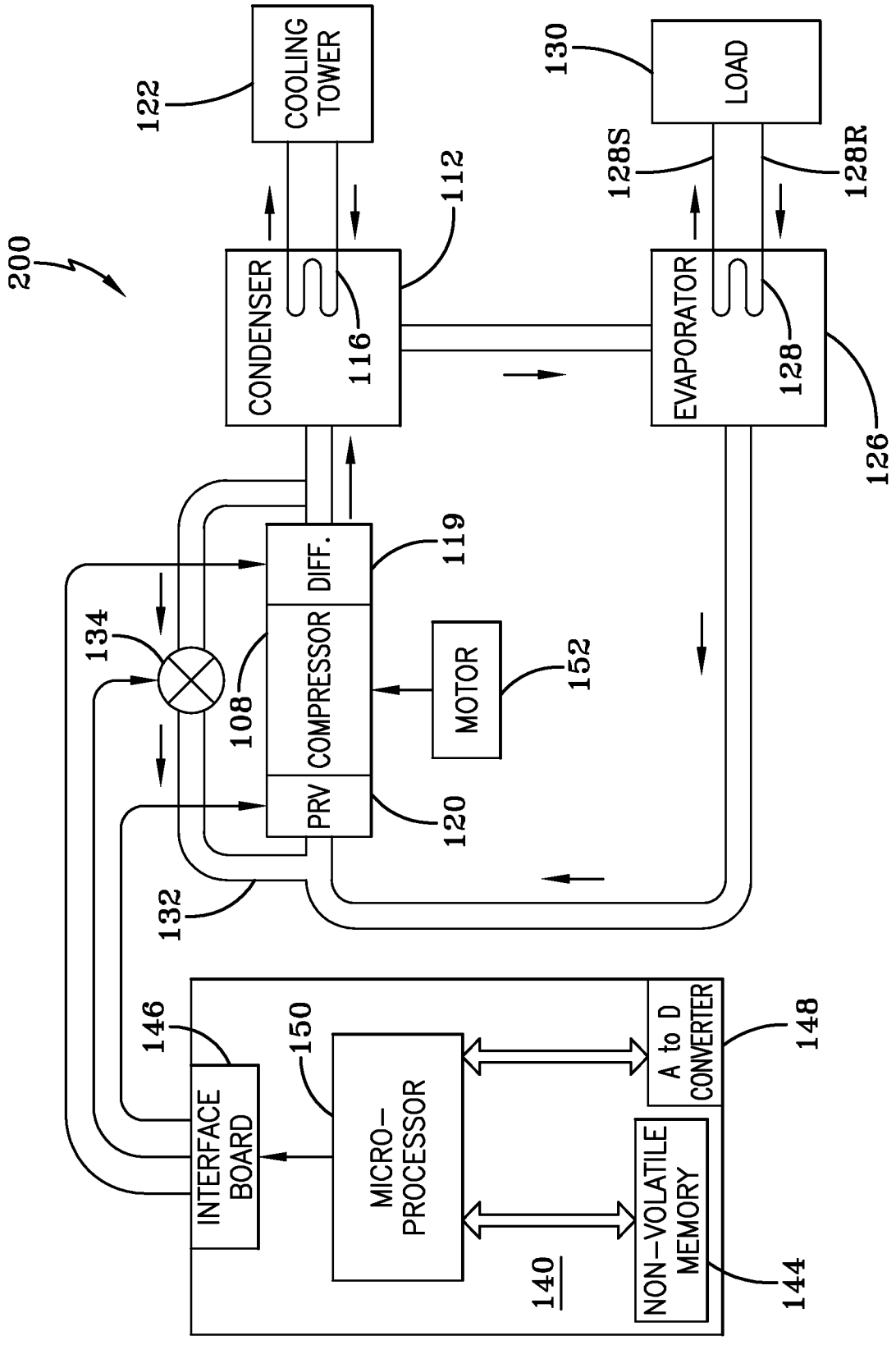
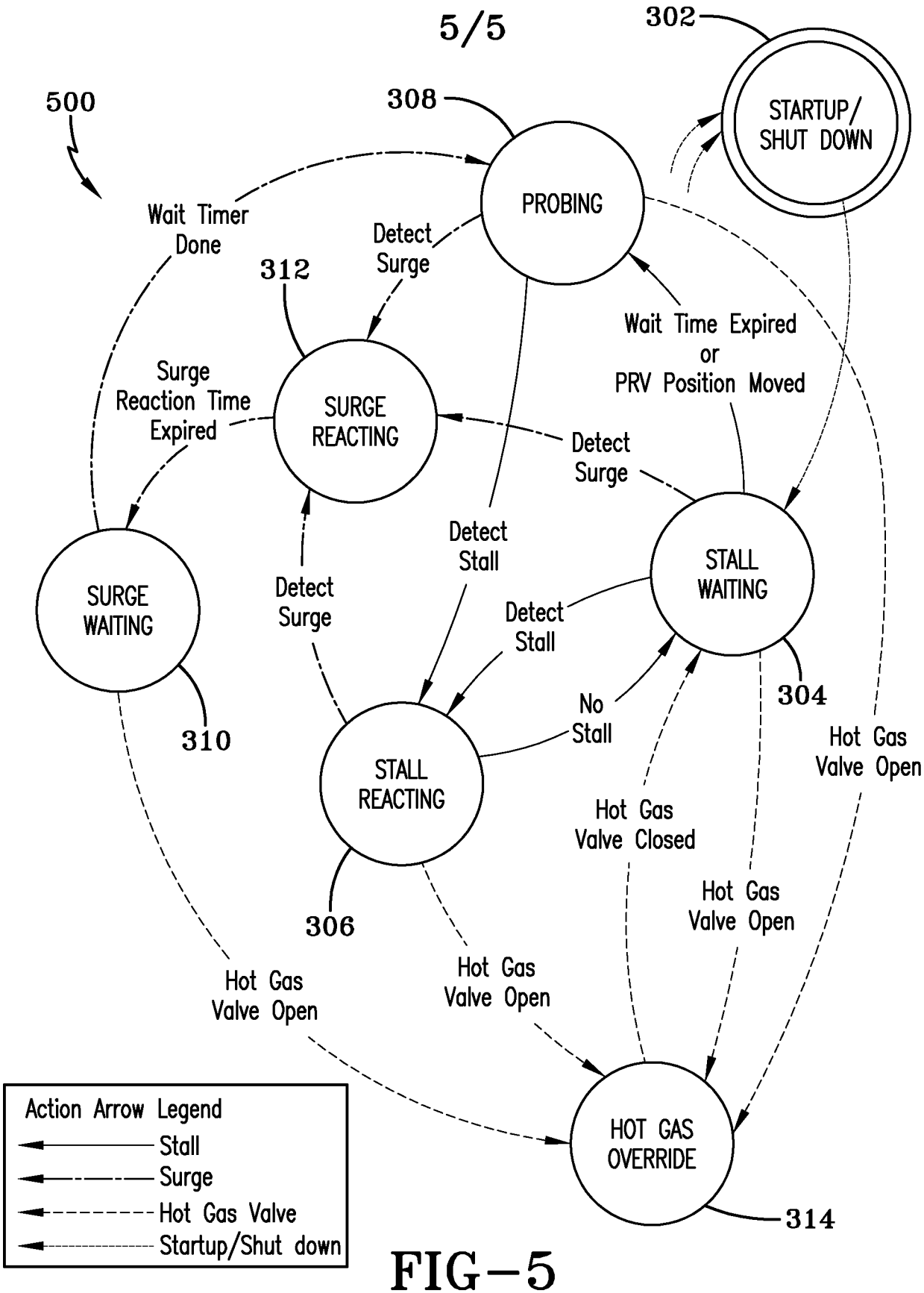

200
122
COOLING TOWER
130
LOAD
128S
128R
112
CONDENSER
116
EVAPORATOR
128
126
DIFF.
119
134
108
COMPRESSOR
MOTOR
152
PRV
120
132
146
150
148
INTERFACE BOARD
MICRO-PROCESSOR
A to D CONVERTER
NON-VOLATILE MEMORY
140
144

FIG-4


500
302
STARTUP/
SHUT DOWN
308
PROBING
Wait Timer
Done
Detect
Surge
312
SURGE
REACTING
Surge
Reaction Time
Expired
Wait Time Expired
or
PRV Position Moved
Detect
Surge
SURGE
WAITING
Detect
Stall
STALL
WAITING
Detect
Surge
Detect
Stall
304
310
No
Stall
Hot Gas
Valve Open
STALL
REACTING
Hot Gas
Valve Closed
Hot Gas
Valve Open
306
Hot Gas
Valve Open
Hot Gas
Valve Open
HOT GAS
OVERRIDE
314
Action Arrow Legend
Stall
Surge
Hot Gas Valve
Startup/Shut down

FIG–5